Public Works

PUBLIC WORKS

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DEVELOPMENT ASSISTANCE BROCHURE #A-6 Silt Fence Installation Notes

The City of Kent Engineering Department has prepared this brochure to supplement its adopted Construction Standards. The information below may clarify those standards, and offer practical advice on City of Kent procedures. The Director of Public Works has authority to give needed interpretations for Construction Standards, and this document also reflects those interpretations.

- 1. The filter fabric shall be Mirafi 700X or approved equal, and shall be purchased in a continuous roll cut to the length of the barrier to avoid use of joints. When joints are necessary, filter fabric shall be spliced together only at a support post with a minimum 6-inch overlap, and both ends of the splice shall be securely fastened to the post.
- 2. The silt fence shall be installed to follow the contours where feasible. Fence posts shall be spaced between four and six feet apart and placed securely into the ground to a minimum depth of 18 inches.
- 3. A shallow swale shall be excavated, roughly six inches wide and six inches deep, upslope and adjacent to the wood posts to allow the lower edge of filter fabric to be secured with gravel.
- 4. When filter fabric not as strong as Mirafi 700X is approved for use, a wire

- mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least one inch long, tie wires, or hog rings. The wire mesh shall extend into the shallow swale at least four inches and shall not extend more than 36 inches above the original ground surface.
- 5. The Mirafi 700X filter fabric shall be stapled or wired to the fence, and at least 20 inches of the fabric shall be laid into the shallow swale. The filter fabric shall not extend more than 36 inches above the original ground surface and shall not be stapled to trees.
- 6. The shallow swale and both sides of the silt fence shall be backfilled with 1 inch to 1-1/2 inch diameter washed gravel after the silt fence is installed.
- 7. Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized. The newly disturbed areas resulting from silt fence removal shall be immediately seeded and mulched, or otherwise permanently stabilized to the satisfaction of the City.
- 8. Silt fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.